

Electronic Digital Indicators



High-resolution measuring, robust and precise

Mechanical position indicators are already used successfully on shafts and spindles for displaying position values. Electronic digital position indicators are a logical further development of their mechanical counterparts. Thanks to comparable outer dimensions and the track-proven slip-on principle on the shaft, reconfiguration from mechanical to electronic-programmable indicator technology is a matter of minutes.

The standalone indicators of the DE range are particularly effective as an alternative to mechanical counters if no suitable gearing is available. Their free programmability also permits positive and negative display values or operation in angled mode. The ProTool DE software solution can be used to program DEs directly before they are mounted on adjustment spindles.

Automated bus interface

As an extension to the electronic stand-alone units of the DE range, the AP models also feature a bus interface. During bus-controlled operation, can be communicated set-point and actual values between the individual absolute position indicators and a higher-level controller.

This semi-automated spindle adjustment offers a much higher level of process reliability and shortens set-up times during format changes considerably. Due to the display of the set value directly on the shaft and feedback of the manually correctly set actual value, incorrectly set stops and tool positions are a thing of the past. The overall system is only enabled when all spindle positions have been correctly signalled, so that off-spec material or damaged tools caused by incorrectly set adjusting shafts are no longer possible.

The electronic SIKO position indicators feature a series of software assisted functions:

- The spindle pitch, direction of rotation and decimal point can be freely programmed
- Length or angle indication: Two modes are possible
- Incremental measurement function, offset input: Flexible adaptation to user specifications is possible
- Zero setting of the shaft is performed at the touch of a button



	DE04	DE10	DE10P	AP04	AP04S	AP24	GS04
Display							
5-digit LCD	•	•		•	•	•	
6-digit LCD			•				
Special characters	•	•	•	•	•	•	•
Interface							
RS485				•	•	•	
CANopen (option)				•	•	•	
Key functions							
Incremental measurement	•	•	•	•	•		
Offset input	•	•	•	•	•		
Calibration	•	•	•	•	•		
Confirmation							•
Programming	ProTool DE	ProTool DE	•	•	•	•	
Digit height							
mm, approximately	8	12	11	7	7	7	
Hollow shaft							
Diameter (mm)	14	30	30	20			20
Dimensions							
WxHxD (mm), approximately	33x52x34	48x71x39	54x76x39	35x52x35	37x54x42	35x52x31	35x52x35

